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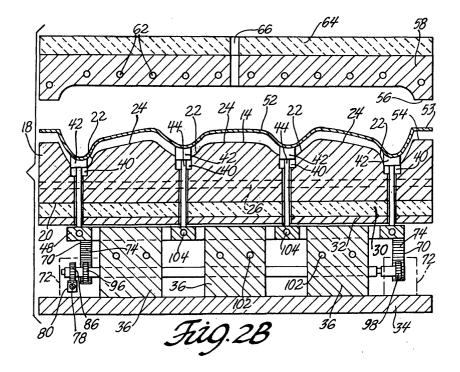
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(54) Extraction system for hot formed parts

(57) The distortion-free removal of a heat softened sheet metal part (52) from a heated forming surface is enabled by the elevation of lift pads (42) in the forming surface. Strategically located and sized pads are recessed in the forming surface of the hot forming tool (12)

and the pads are part of the forming surface. At the completion of the stretch forming, or other hot forming, of a sheet metal blank on the forming surface, the pads are lifted in unison, without rotating them, on lift posts (44) by a suitable lift mechanism to carefully and uniformly strip the flexible part from the hot forming surface.





EUROPEAN SEARCH REPORT

Application Number EP 04 01 2932

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ANNEX TO THE EUROPEAN SEARCH REPORT ON EUROPEAN PATENT APPLICATION NO.

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